

Title (en)
METHOD AND APPARATUS FOR CREATING 3D MODEL

Title (de)
VERFAHREN UND VORRICHTUNG ZUR ERZEUGUNG EINES 3D-MODELLS

Title (fr)
PROCÉDÉ ET APPAREIL POUR CRÉER UN MODÈLE 3D

Publication
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Application
EP 12889351 A 20121130

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CN 2012085615 W 20121130

Abstract (en)
[origin: WO2014082278A1] The present invention provides a method and apparatus for creating a 3D model from an input 3D model based on repetitive structures of the input 3D model. The Method comprises: detecting repetitive structures of the at least one component of the input 3D model and hierarchical relationship of the repetitive structures, each repetitive structure comprising a component set as a representative and one or more components, if any, set as an instance; determining a relative transformation among all representatives and instances of all the repetitive structures of the input 3D model; and updating relevant components of the input 3D model according to a change of a representative in the repetitive structures and recalculating the poses of the updated components as a function of the determined relative transformation to create the 3D model.

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G06T 17/10 (2013.01 - EP US); **G06T 2210/04** (2013.01 - EP US)

Citation (search report)

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- See references of WO 2014082278A1

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